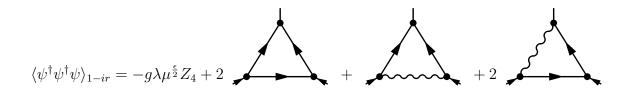$$\langle \psi^\dagger \psi^\dagger \rangle_{1-ir} = 2\lambda Z_5 + \frac{1}{2}$$ $$(1)$$

$$\langle \psi \psi^\dagger \rangle_{1-ir} = Z_1 i\omega - \lambda \left(Z_2 k^2 - Z_3 \tau \right) +$$ $$(2)$$

$$\langle \psi \psi \psi^\dagger \rangle_{1-ir} = -g\lambda \mu^{\frac{\epsilon}{2}} Z_4 +$$

$$\langle \psi \psi^\dagger v \rangle_{1-ir} = -i(k_i Z_1 + a q_i Z_6) +$$

$$\langle \psi^\dagger \psi \rangle_{1-ir} = Z_1 i\omega - \lambda \left(Z_2 k^2 - Z_3 \tau \right) + \frac{1}{2}$$ $$(3)$$

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$$\langle \psi^\dagger \psi^\dagger \psi \rangle_{1-ir} = -g\lambda\mu^{\frac{\epsilon}{2}} Z_4 + 2 \quad \text{(diagram)} \quad + \quad \text{(diagram)} \quad + 2 \quad \text{(diagram)}$$

$$\langle \psi\psi\psi^\dagger \rangle_{1-ir} = -g\lambda\mu^{\frac{\epsilon}{2}} Z_5 + 2 \quad \text{(diagram)} \quad + \quad \text{(diagram)} \quad + 2 \quad \text{(diagram)}$$

$$\langle \psi\psi^\dagger v \rangle_{1-ir} = -i(k_i Z_1 + aq_i Z_6) + \quad \text{(diagram)} \quad + \quad \text{(diagram)}$$

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